

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF  
ATTORNEY BY ASSIGNEE AND CHANGE OF CORRESPONDENCE  
ADDRESS; ELECTION OF ASSIGNEE TO CONDUCT PROSECUTION TO  
EXCLUSION OF INVENTORS; CERTIFICATE UNDER 37 CFR §3.73(B)**

**I. CERTIFICATE UNDER 37 CFR §3.73(B)**

Under 37 CFR §3.73(b) Murata Machinery Ltd., a corporation certifies that it is the assignee of the entire right, title and interest in the patents and patent applications identified in Schedule A (collectively “patent applications”), attached, by virtue of:

■ An assignment from BROOKS AUTOMATION, INC. to MURATA MACHINERY, LTD., of the patent applications. The assignment is being submitted concurrently for recordation, a copy of which is attached.

**II. REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF  
ATTORNEY BY ASSIGNEE and ELECTION OF ASSIGNEE TO CONDUCT  
PROSECUTION TO EXCLUSION OF INVENTORS**

The undersigned, as authorized representative of the assignee of the entire right, title and interest in the patent applications, hereby revokes all powers of attorney previously granted in the patent applications and appoints the practitioners associated with Customer Number 26161 as its attorney(s) and/or agent(s) to prosecute the patent applications and to transact all business in the Patent and Trademark Office connected therewith with full powers of substitution and revocation, said appointment to be to the

exclusion of the inventors and their attorney(s) in accordance with the provisions of  
37 CFR §3.71 *et seq.* of the Patent Office Rules of Practice.

CHANGE OF CORRESPONDENCE ADDRESS

Please direct all communications regarding the above-referenced application to the  
customer number below:

**26161**

Respectfully submitted,

Date: Feb 12, 2010

  
\_\_\_\_\_  
Signature

MASAHIRO HATASHITA  
\_\_\_\_\_  
Typed Name

Title: Senior Manager

Assignee: MURATA MACHINERY, LTD.

**Schedule A to accompany "REVOCATION OF POWER OF ATTORNEY WITH  
NEW POWER OF ATTORNEY BY ASSIGNEE AND CHANGE OF  
CORRESPONDENCE ADDRESS; ELECTION OF ASSIGNEE TO CONDUCT  
PROSECUTION TO EXCLUSION OF INVENTORS; CERTIFICATE UNDER 37  
CFR §3.73(B)"**

Patents

| <b>Patent Number</b> | <b>Title</b>  | <b>US Issue Date</b> |
|----------------------|---|----------------------|
| US 4,926,753         | Flexible material transport system  | 05-22-1990           |
| US 5,673,804         | Hoist system having triangular tension members  | 10-07-1997           |
| US 6,053,478         | Wafer hoist with self-aligning bands  | 04-25-2000           |
| US 6,265,851         | Ultracapacitor power supply for an electric vehicle   | 07-24-2001           |
| US 6,273,237         | Rotating shuttle payload platform   | 08-14-2001           |
| US 6,278,201         | Power sharing among multiple power supplies in a material handling system   | 08-21-2001           |
| US 6,285,951         | Dynamic traffic based routing algorithm   | 09-04-2001           |
| US 6,290,188         | Collision avoidance system for track-guided vehicles  | 09-18-2001           |
| US 6,345,851         | Robotic gripping device for gripping an object having a handle on an upper surface  | 02-12-2002           |
| US 6,397,990         | Materials transport system having inductive power transfer  | 06-04-2002           |
| US 6,443,686         | Material handling and transport system and process  | 09-03-2002           |
| US 6,647,316         | Traffic management system and method for materials handling using traffic balancing and traffic density                             | 11-11-2003           |
| US 6,686,823         | Inductive power transmission and distribution apparatus using a coaxial transformer   | 02-03-2004           |
| US 6,719,100         | Interfloor vertical transport and horizontal closure system   | 04-13-2004           |
| US 7,101,138         | Extractor/buffer  | 09-05-2006           |
| US 7,153,083         | Material handling and transport process   | 12-26-2006           |
| US 7,165,927         | Automated material handling system for semiconductor manufacturing based on a combination of vertical carousels and overhead hoists | 01-23-2007           |
| US 7,194,332         | Data based node penalties   | 03-20-2007           |
| US 6,990,721         | Growth model automated material handling system   | 01-31-2006           |

### Patent Applications

| <u>US Patent Application Number</u> | <u>Publication Number</u> | <u>Title</u>  | <u>US Filing Date</u> |
|-------------------------------------|---------------------------|---|-----------------------|
| 11/652,707                          | US 20070110547            | Automated material handling system for semiconductor manufacturing based on a combination of vertical carousels and overhead hoists | January 12, 2007      |
| 10/697,528                          | US 20050095087            | Automated Material Handling System  | October 30, 2003      |
| 10/682,809                          | US 20040126208            | Access to one or more levels of material storage shelves by an overhead hoist transport vehicle from a single track position        | October 9, 2003       |
| 11/580,697                          | US 20070092359            | Access to one or more levels of material storage shelves by an overhead hoist transport vehicle from a single track position        | October 13, 2006      |

## PATENT ASSIGNMENT

WHEREAS, BROOKS AUTOMATION, INC., a Delaware corporation having a principal place of business at 15 Elizabeth Drive, Chelmsford, MA 01824 U.S.A. (“ASSIGNOR”), is the owner of the entire right, title and interest in and to certain United States patents and patent applications as well as certain foreign patents and patent applications corresponding thereto, said United States patents and patent applications being identified in the attached Schedule A and being hereinafter referred to as “PATENTS AND PATENT APPLICATIONS”;

WHEREAS, MURATA MACHINERY, LTD., a Japanese corporation having a place of business at 3 Minami Ochiai-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326, JAPAN (“ASSIGNEE”), is desirous of obtaining the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS;

WHEREAS, ASSIGNOR and ASSIGNEE have entered into a certain Patent Assignment and Agreement dated February 2, 2010, pursuant to which ASSIGNEE has agreed to purchase from ASSIGNOR, and ASSIGNOR has agreed to sell to ASSIGNEE, its entire right, title, and interest in the PATENTS AND PATENT APPLICATIONS;

NOW, THEREFORE, for good and valuable considerations paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. ASSIGNOR hereby grants, conveys, sells, assigns, and transfers to ASSIGNEE and its successors and assigns all of such ASSIGNOR’s entire right, title, and interest throughout the world in and to the PATENTS AND PATENT APPLICATIONS, and all inventions and improvements described or claimed therein, and in any and all reissues, extensions, renewals, reexaminations, divisions, or continuations of such PATENTS AND PATENT APPLICATIONS, to the full end of the term or terms of the PATENTS AND PATENT APPLICATIONS or for which such reissues, extensions, renewals, reexaminations, divisions, or continuations issue, as well as all of the following:
  - a. All income, royalties, license fees, damages, and payments now and hereafter due and/or payable under and with respect to the Patents including (without

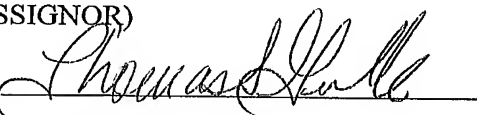
limitation) damages and payments for past, present or future infringements or misappropriations of the PATENTS AND PATENT APPLICATIONS;

- b. The right to sue and recover for past, present, and future infringements or misappropriations of the PATENTS AND PATENT APPLICATIONS;
  - c. All rights in and to the PATENTS AND PATENT APPLICATIONS throughout the world, including without limitation the right to grant licenses and the right to claim priority based on the filing date of the PATENTS AND PATENT APPLICATIONS under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes.
2. The right, title, and interest hereby granted, conveyed, sold, assigned, and transferred to ASSIGNEE shall be prior to any right, title, and interest granted to any third party, and ASSIGNOR shall take all action necessary to preserve the validity and priority of such right, title, and interest.
3. ASSIGNOR agrees for itself and its successors, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the ASSIGNEE may reasonably request to effectuate fully this assignment.

IN TESTIMONY WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer.

(ASSIGNOR)

By




Title General Counsel and Secretary

Date February 2, 2010

ASSIGNEE hereby acknowledges receipt of the entire right, title and interest in and to the  
PATENTS AND PATENT APPLICATIONS.

(ASSIGNEE)

By 

Title President & CEO

Date February 12, 2010

## SCHEDULE A

### Patents

| Patent Number | Title   | US Issue Date |
|---------------|---|---------------|
| US 4,926,753  | Flexible material transport system  | 05-22-1990    |
| US 5,673,804  | Hoist system having triangular tension members  | 10-07-1997    |
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